



**PROGRAM OF WORKS**  
**DETAILED COST ESTIMATE**

PROJECT : RESTORATION OF GABALDON BUILDING  
SCHOOL : HIMAYA ELEMENTARY SCHOOL  
LOCATION : HIMAYA , EL SALVADOR CITY  
OWNER : DEPARTMENT OF EDUCATION

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>GENERAL REQUIREMENTS</b>							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00	-	-	-	-	-
	Project Billboard	lot	1.00	-	-	-	-	-
	Safety and Health	lot	1.00	-	-	-	-	-
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	-	-	-	-	-
	Other Permit Fee	lot	1.00	-	-	-	-	-
	Hauling cost	lot	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
1.0000	<b>Earthworks</b>							
1.0600	Soil Poisoning	sq m	360.00	-	-	-	-	-
	<b>Sub-total</b>							-
2.0000	<b>Concreting Works</b>							
	<b>Column</b>	cu.m	14.40					
2.0100	Portland Cement	bag	130.00	-	-	-	-	-
2.0200	Crushed Gravel 3/4"	cu.m	14.50	-	-	-	-	-
2.0300	Washed Sand	cu.m	7.25	-	-	-	-	-
	<b>Ramp/Stair</b>	cu.m	2.28					
2.0100	Portland Cement	bag	42.00	-	-	-	-	-
2.0200	Crushed Gravel 3/4"	cu.m	2.50	-	-	-	-	-
2.0300	Washed Sand	cu.m	1.25	-	-	-	-	-
	<b>Corridor</b>	cu.m	8.10					
2.0100	Portland Cement	bag	146.00	-	-	-	-	-
2.0200	Crushed Gravel 3/4"	cu.m	8.25	-	-	-	-	-
2.0300	Washed Sand	cu.m	4.25	-	-	-	-	-
	<b>Stairs</b>	cu.m	1.35					
2.0100	Portland Cement	bag	26.00	-	-	-	-	-
2.0200	Crushed Gravel 3/4"	cu.m	1.50	-	-	-	-	-
2.0300	Washed Sand	cu.m	0.75	-	-	-	-	-
	<b>Concrete Pavers</b>	sq.m	168.00					
14.0100	Pavers (.20m x.10m x.10m)	pcs	8,400.00	-	-	-	-	-
14.1600	Washed Sand	cu.m	17.00	-	-	-	-	-
	<b>Sub-total</b>							-
3.0000	<b>Rebar Works</b>							
	<b>Column</b>							
3.0100	Deformed Round Bars, Grade 40, 16mm	kg	379.20	-	-	-	-	-
3.0100	Deformed Round Bars, Grade 40, 12mm	kg	147.84	-	-	-	-	-
3.0200	G.I. Tie Wire	kg	11.00	-	-	-	-	-
	<b>Sub-total</b>							-
4.0000	<b>Formworks</b>	sq.m	144.00					
4.0100	Coco Lumber	bd.ft	2,448.00	-	-	-	-	-
4.0200	Plywood Ordinary, 1/4" x 4' x 8'	pc	25.00	-	-	-	-	-
4.0400	CWN, Assorted	kg	35.00	-	-	-	-	-
	<b>Sub-total</b>							-
6.0000	<b>Doors and Windows</b>							
	<b>Replacement of Doors and Jambs</b>							
	ED-1(1.00mx2.40m), Replace New Wooden Door (Yakal Wood or any approved and qualified hardwood and apply putty to even the wood in Semi- Gloss Paint Finish (Choco Brown).	pc	3.00	-	-	-	-	-
	<b>Door Lockset &amp; Hardware</b>							
	Stainless Steel Door Pull w/ Padlock	set	3.00	-	-	-	-	-
	<b>Wood Panelled Capiz Shell Window on S4S Wood Window Frames, Awning Type</b>							
	W-1 (1.0m x 2.51m) New Capiz Shell Panel Windows with Wooden Louver and Panelled Base Complete with Accessories	set	18.00	-	-	-	-	-
	<b>Sub-Total</b>							-
7.0000	<b>Steel Works</b>							
	Ramp Railings (See Details)	lot	1.00	-	-	-	-	-

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Window Grills: 6mm x 25mm Flat Bar - 16mm dia. Round Bar (See Details)	set	18.00	-	-	-	-	-
	<b>Sub-total</b>							-
8.0000	<b>Roofing Works</b>							
8.0100	Removal of Roofing Sheets	m	484.40	-	-	-	-	-
8.0200	Removal of Ridge Roll	pc	13.00	-	-	-	-	-
8.0300	Removal of Flashing	pc	10.00	-	-	-	-	-
8.0500	Removal of Fascia Board	pc	31.00	-	-	-	-	-
8.1600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.6mm BMT	m	484.40	-	-	-	-	-
8.1700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	13.00	-	-	-	-	-
8.1900	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	10.00	-	-	-	-	-
8.3500	Teckscrew 2-1/2"	pc	2,321.00	-	-	-	-	-
8.3600	Roof Sealant	L	5.00	-	-	-	-	-
	<b>Sub-Total</b>							-
9.0000	<b>Carpentry and Woodworks</b>							
	<b>Structural</b>							
	<b>Rehabilitate Wooden Trusses</b>							
9.3400	Removal of Wooden Truss and Purlins	bd.ft	5,849.80	-	-	-	-	-
	Hardwood Truss (See Detail)	bd.ft	3,443.00	-	-	-	-	-
	2"x6" Hardwood Purlins	bd.ft	2,406.80	-	-	-	-	-
	Mach. Bolt w/ Std. Nuts & Washers, 5/8"x7"	pc	165.00	-	-	-	-	-
	Mach. Bolt w/ Std. Nuts & Washers, 5/8"x10"	pc	300.00	-	-	-	-	-
	Nails	kg	111.00	-	-	-	-	-
	Wood Preservative, Brown	gal	59.00	-	-	-	-	-
	<b>Architectural</b>							
	<b>Indoor Tile with Wood T&amp;G Effect Flooring</b>	sq.m	189.00					
9.2600	(FF-3) 900mm x 100mm x 10-14mm Synthetic T&G Wood Finish, Non-Skid Floor Tiles/Planks (or Any Approved Equivalent)	pcs	2,100.00	-	-	-	-	-
	<b>Reconstruct Wooden Wall</b>							
9.2700	WF-1: Beveled Vertical T&G 1" x 8" Hardwood with Groove Panels	bd.ft.	681.91	-	-	-	-	-
	WF-1: 1" x 6" Hardwood Calado (Decorative/Slotted Clerestory)	bd.ft	351.57	-	-	-	-	-
9.1400	S4S Lumber, Kiln Dried Tanguile (V & H Studs)	bd.ft	330.62	-	-	-	-	-
	WF-1: Beveled Vertical 1" x 15" Hardwood Baseboard	pc	243.54	-	-	-	-	-
	Finishing Nails	kg	25.00	-	-	-	-	-
	Wood Preservative, Brown	gal	13.00	-	-	-	-	-
9.2700	WF-2: Beveled Vertical T&G 1" x 8" Hardwood with Groove Panels	bd.ft.	1,746.42	-	-	-	-	-
	WF-2: Beveled Vertical 1" x 15" Hardwood Baseboard	pc	243.54	-	-	-	-	-
9.1400	S4S Lumber, Kiln Dried Tanguile (V & H Studs)	bd.ft	756.59	-	-	-	-	-
	Finishing Nails	kg	38.00	-	-	-	-	-
	Wood Preservative, Brown	gal	20.00	-	-	-	-	-
	WF-3: 2" x 2" Hardwood Wall Railings	bd.ft	367.41	-	-	-	-	-
	WF-3: Beveled Vertical 1" x 15" Hardwood Baseboard	pc	254.20	-	-	-	-	-
9.1400	S4S Lumber, Kiln Dried Tanguile (H Studs)	bd.ft	118.08	-	-	-	-	-
	Finishing Nails	kg	12.00	-	-	-	-	-
	Wood Preservative, Brown	gal	7.00	-	-	-	-	-
	<b>Reconstruct Wooden Ceiling</b>							
	<b>Exterior Ceiling</b>							
9.2700	T&G 1/2" x 4"	bd.ft.	290.55	-	-	-	-	-
	2"x2" Rough Lumber, Sun Dried, Tanguile	bd.ft	228.51	-	-	-	-	-
	Finishing Nails	kg	6.00	-	-	-	-	-
	CW Nails	kg	5.00	-	-	-	-	-
	Wood Preservative, Brown	gal	6.00	-	-	-	-	-
9.1900	Fascia Board, Harwood 1" x 12"	bd.ft.	288.64	-	-	-	-	-
9.2200	Finishing Nails	kg	6.00	-	-	-	-	-
	<b>Interior Ceiling</b>							
9.2700	T&G 1/2" x 4"	bd.ft.	1,016.94	-	-	-	-	-
	2"x2" Rough Lumber, Sun Dried, Tanguile	bd.ft	741.28	-	-	-	-	-
	Finishing Nails	kg	20.00	-	-	-	-	-
	CW Nails	kg	14.00	-	-	-	-	-
	Wood Preservative, Brown	gal	18.00	-	-	-	-	-
	<b>Wooden Railing</b>							

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
9.1400	3" x 6" Handrail, S4S Lumber, Kiln Dried Tanguile	bd.ft	113.16	-	-	-	-	-
	2" x 2" Horizontal and Vertical Rail, S4S Lumber, Kiln Dried Tanguile	bd.ft	347.30	-	-	-	-	-
	CW Nails	kg	9.00	-	-	-	-	-
	Wood Preservative, Brown	gal	3.00	-	-	-	-	-
	Wood Treatment (All Wooden Surfaces)	bd.ft	16,793.49	-	-	-	-	-
	<b>Blackboards (3 units)</b>	sq.m	25.92					
9.1400	S4S Hardwood, Kiln Dried	bd.ft	165.00	-	-	-	-	-
9.4300	Lawanit, 1/4" thk	pc	9.00	-	-	-	-	-
9.2200	Finishing Nails	kg	1.00	-	-	-	-	-
9.2300	Common Wire Nails	kg	3.00	-	-	-	-	-
9.2400	Concrete Nails	kg	1.00	-	-	-	-	-
	<b>Sub-Total</b>							-
10.0000	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
10.0200	Electrical Conduit uPVC, 20mmØ	pc	60.00	-	-	-	-	-
10.0700	RSC 25mmØ	pc	2.00	-	-	-	-	-
10.3600	Entrance Cap 25mm dia.	pc	1.00	-	-	-	-	-
10.1600	Junction Box, 4" x 4" G.I.	pc	24.00	-	-	-	-	-
10.1700	Utility Box, 2" x 4" G.I.	pc	24.00	-	-	-	-	-
10.3700	Grounding Rod, 2.4m x 16mm dia.	pc	1.00	-	-	-	-	-
	<b>Wires &amp; Fixtures</b>							
10.1100	3.5 mm2 THW Wire, Stranded (New)	m	600.00	-	-	-	-	-
10.1400	5.5 mm2 THW Wire, Stranded	m	150.00	-	-	-	-	-
10.2800	Duplex C.O. with Plate	pc	18.00	-	-	-	-	-
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	pc	3.00	-	-	-	-	-
10.3100	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	pc	6.00	-	-	-	-	-
10.2000	2-80W CFL with 300mm dia. Reflectorizes Lighting Fixtures (see details)	set	36.00	-	-	-	-	-
10.5600	300mm dia. Globe Diffuser with Metal Hanger	set	3.00	-	-	-	-	-
10.5700	200mm dia. Surface Mounted Ligting Fixtures, Powder Coated	set	4.00	-	-	-	-	-
10.6000	Fire Extinguisher Dry Chemical (10 lbs)	set	6.00	-	-	-	-	-
10.4900	Panel Box, Flush Type, 8 Branches	set	1.00	-	-	-	-	-
10.3800	Circuit Breaker, 20A 2P	set	8.00	-	-	-	-	-
10.3900	Circuit Breaker, 30A 2P	set	8.00	-	-	-	-	-
10.5900	Ceiling Fan (Standard/Any Equivalent)	set	6.00	-	-	-	-	-
10.5900	Wall Fan (Standard/Any Equivalent)	set	6.00	-	-	-	-	-
10.5500	Fire Alarm Bell, Vibrating Type	set	2.00	-	-	-	-	-
10.5600	Fire Alarm Station, Manual Single Action	set	2.00	-	-	-	-	-
10.5700	Fire Alarm Control Panel, One Zone	set	1.00	-	-	-	-	-
10.5800	Electrical Tape	pc	11.00	-	-	-	-	-
	<b>Sub-Total</b>							-
13.0000	<b>Painting Works</b>							
	<b>Concrete surfaces</b>	sq.m	302.45					
13.0100	Neutralizer	gal	4.00	-	-	-	-	-
13.0200	Latex, Flat	gal	21.00	-	-	-	-	-
13.1400	Masonry Putty	gal	21.00	-	-	-	-	-
13.0200	Latex, Semi Gloss	gal	21.00	-	-	-	-	-
13.2000	Acri Color	qrt	15.75	-	-	-	-	-
	Ruberized Paint	gal	6.00	-	-	-	-	-
	Silica Sand	pack	20.00	-	-	-	-	-
	<b>Wooden Surfaces</b>	sq.m	836.17					
	Polyurethane	gal	7.00	-	-	-	-	-
13.0400	Enamel, Flatwall	gal	56.00	-	-	-	-	-
13.1500	Glazing Putty	gal	56.00	-	-	-	-	-
13.0500	Enamel, Semi Gloss	gal	56.00	-	-	-	-	-
13.1600	Paint Thinner	gal	42.00	-	-	-	-	-
	Roller Brush	pc	22.00	-	-	-	-	-
	Paint Brush	pc	30.00	-	-	-	-	-
	<b>Sub-Total</b>							-
16.0000	<b>Road Signage</b>							
14.0400	Reflectorized Road Signage	lot	1.00	-	-	-	-	-
	1200mm x 1200mm G.I Signage with 100mm Pipe Post, 3000m length							
	<b>Sub-total</b>							-
17.0000	<b>Historical Marker with Pedestal</b>							
	<b>Earthworks</b>							
2.0100	Structural Excavation	cu.m	0.42	-	-	-	-	-
2.0200	Backfilling and Compaction	cu.m	0.25	-	-	-	-	-
2.0300	Gravel Bedding G-1	cu.m	0.07	-	-	-	-	-
	<b>Sub-total</b>							-

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Concreting Works</b>							
	<b>Wall Footing</b>	cu.m	0.18					
2.0100	Portland Cement	bags	2.00	-	-	-	-	-
2.0200	Crushed Gravel 3/4"	cu.m	0.25	-	-	-	-	-
2.0300	Washed Sand	cu.m	0.25	-	-	-	-	-
	<b>Sub-total</b>							-
	<b>Rebar Works</b>							
3.0900	Wall Footing, 12mm dia RSB	kg	15.58	-	-	-	-	-
3.1200	G.I. Tie Wire	kg	0.16	-	-	-	-	-
	<b>Sub-total</b>							-
	<b>Steel Works</b>							
	Metal Sheet	pc	0.08	-	-	-	-	-
	Historical Marker Plate	pc	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
	<b>Masonry Works</b>							
	<b>Masonry Wall</b>	sq.m	3.70					
5.0200	CHB 6" thk	pc	47.00	-	-	-	-	-
2.0100	Portland Cement	bags	2.00	-	-	-	-	-
2.0300	Washed Sand	cu.m	1.00	-	-	-	-	-
3.0900	12mm x 6m RSB	kg	29.90	-	-	-	-	-
3.1200	G.I. Tie Wire	kg	0.30	-	-	-	-	-
	<b>Plastering</b>	sq.m	4.55					
2.0100	Portland Cement	bags	2.00	-	-	-	-	-
2.0300	Washed Sand	cu.m	1.00	-	-	-	-	-
	<b>Sub-total</b>							-
	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
10.0100	Electrical Conduit uPVC 15mm dia.	pc	5.00	-	-	-	-	-
10.1600	Junction Box, 4" x 4" G.I.	pc	1.00	-	-	-	-	-
10.1700	Utility Box, 2" x 4" G.I.	pc	1.00	-	-	-	-	-
	<b>Wires &amp; Fixtures</b>							
	Weatherproof Light	pc	1.00	-	-	-	-	-
10.1600	3.5 mm2 THHN Wire, Stranded	m	10.00	-	-	-	-	-
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 250V)	pc	1.00	-	-	-	-	-
10.5500	Electrical Tape	pc	2.00	-	-	-	-	-
	<b>Sub-total</b>							-
	<b>Painting Works</b>							
	<b>Concrete Surfaces</b>	sq.m	4.55					
13.0100	Neutralizer	gal	1.00	-	-	-	-	-
13.0200	Latex, Flat	gal	1.00	-	-	-	-	-
13.0300	Masonry Putty	gal	1.00	-	-	-	-	-
13.0400	Latex, Semi Gloss	gal	1.00	-	-	-	-	-
13.0500	Acri Color	qrt	1.00	-	-	-	-	-
	<b>Steel Surfaces</b>	sq.m	0.48					
13.1100	Primer, Zinc Chromate	gal	1.00	-	-	-	-	-
	Roller Brush	pc	1.00	-	-	-	-	-
	Paint Brush	pc	2.00	-	-	-	-	-
	<b>Sub-total</b>							-
I.	<b>DIRECT COST</b>							-
II.	<b>INDIRECT COST 17% of (I - Gen. Req.)</b>							-
III.	<b>TAX 5% of (I + II)</b>							-
IV.	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							-

Prepared by:

Contractor/Authorized Representative